

1(cancelled).

2(cancelled).

3(cancelled).

4(cancelled).

5(cancelled).

6(cancelled).

7(cancelled).

8(cancelled).

9(cancelled).

10(cancelled).

11(cancelled).

12(cancelled).

13(cancelled).

14(cancelled).

15(cancelled).

16(cancelled).

17(cancelled).

18(cancelled).

19(cancelled).

20(currently amended). An electric motor, a transformer or component thereof obtained by a method comprising:

contacting the component with a coating composition comprising [at least one] sodium silicate and silica and having a basic pH, and;

contacting [said at least one treated motor lamination] the component with molten aluminum.

21(currently amended). An electric motor or electric motor component defining at least one opening and comprising a steel substrate having a coating

comprising [at least one] sodium silicate and silica and having a basic pH and wherein the coated substrate is at least partially encapsulated by aluminum.

22(currently amended). An electric motor having at least one component wherein said component defines at least one opening and comprises a metal containing surface treated with a composition comprising [at least one] sodium silicate and silica having a basic pH, wherein said treated surface isolates said component from an adjacent aluminum molding that at least partially embeds said component.

23(currently amended). An electric motor or an electric motor component defining at least one opening and comprising at least one metal containing substrate with a surface at least partially treated with a composition comprising silica and [at least one] sodium silicate and having a basic pH; wherein the treated surface functions to electrically insulate said substrate from an adjacent metal body.

24(currently amended). An electric motor or an electric motor component comprising at least one opening and at least one metal containing substrate with a surface at least partially contacted with a composition comprising silica and [at least one] sodium silicate and having a basic pH; wherein the contacted surface functions as a barrier between the substrate and an adjacent metal body that at least partially embeds said substrate.

25(currently amended). An electric motor, a transformer or component thereof defining at least one opening and obtained by a method comprising:  
contacting the component with a coating composition comprising a combination comprising silica and [at least one] sodium silicate and having a basic pH and,  
contacting said component [motor lamination] with molten aluminum.

26(previously presented). The component of Claim 25 wherein said composition further comprises at least one water soluble polymer.

27(previously presented). The component of Claim 25 wherein the component comprises at least one member chosen from the group of at least one electric motor laminates, electric motor stacked rotor laminates, electric motor stator, transformer laminates and stacked transformer laminates.

28(currently amended). The component of Claim 25 wherein said [at least one silicate comprises sodium silicate] coating composition further comprises at least one member selected from the group consisting of sodium aluminate, ammonium zirconyl carbonate, tetra-ethylorthosilicate, methyl morpholine, sodium tetraborate, kaolin, bentonite, aluminum oxide, zirconium oxide and sugar.

29(previously presented). The component of Claim 25 wherein said composition forms an electrically resistive coating.

30(previously presented). The component of Claim 25 wherein said composition further comprises ferromagnetic particles.

31(previously presented). The component of Claim 25 wherein said composition further comprises at least one member chosen from the group of boron nitride, aluminum nitride, silicon carbide, silicon nitride and carbon.

32(previously presented). The component of Claim 25 further comprising at least one carrier wherein said carrier comprises at least one water soluble polymer comprising at least one member chosen from the group of urethanes and acrylics.

33(currently amended). A steel electric motor component defining at least one opening and treated with a composition comprising silica and [at least one]

sodium silicate and having a basic pH; wherein the treated surface electrically insulates the component from and interacts with molten aluminum that at least partially embeds said component.

34(currently amended). The electric motor component of Claim 33 wherein [said at least one silicate comprises sodium silicate] the coating composition further comprises at least one member selected from the group consisting of sodium aluminate, ammonium zirconyl carbonate, tetra-ethylorthosilicate, methyl morpholine, sodium tetraborate, kaolin, bentonite, aluminum oxide, zirconium oxide and sugar..

35(previously presented). The electric motor component of Claim 33 wherein said treated surface has an electrical resistance of greater than 1.0 milli-ohm.

36(previously presented). The electric motor component of Claim 33 wherein said composition further comprises ferromagnetic material.

37(currently amended). A plurality of adjacent steel electric motor components each defining at least one opening therein and having at least one electrically insulating film or layer therebetween; wherein the film or layer was obtained by treating the components either individually or as an assembly with a composition having a basic pH and comprising silica and [at least one other silica containing composition] sodium silicate; and wherein the components are embedded within aluminum.

38(previously presented). The electric motor components of Claim 37 wherein the electrically insulating film or layer further comprises at least one borate containing composition.

39(previously presented). The electric motor components of Claim 37 wherein the electrically insulating film or layer further comprises at least one

member selected from the group consisting of at least one water soluble polymer, ferromagnetics, boron nitride, aluminum nitride, silicon carbide, silicon nitride and carbon.

40(previously presented). The electric motor components of Claim 37 wherein the components comprise at least one member chosen from the group of at least one electric motor laminates, electric motor stacked rotor laminates, electric motor stator, transformer laminates and stacked transformer laminates.

41(currently amended). The electric motor components of Claim 37 wherein [said at least one silica containing composition comprises sodium silicate] the coating composition further comprises at least one member selected from the group consisting of sodium aluminate, ammonium zirconyl carbonate, tetraethylorthosilicate, methyl morpholine, sodium tetraborate, kaolin, bentonite, aluminum oxide, zirconium oxide and sugar.